

Notice of Allowability

Application No.

09/828,024

Applicant(s)

PRELL ET AL.

Examiner

Art Unit

Thomas K. Pham

2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to after final amendment filed 4/18/2005.
2. ☒ The allowed claim(s) is/are 4, 11-15 and 17.
3. ☒ The drawings filed on 06 April 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Vanderburgh on 04/20/2005.

The application has been amended as follows:

Claim 17: on page 8, adding to the end of paragraph (a) but before the semicolon (;) the following:

, said application wrappers further comprising: a keyboard filter that intercepts keyboard inputs to said client computer systems and interprets said keyboard inputs in accordance with the application wrappers for said collaborative session

Reasons for Allowance

2. Claims 4, 11-15 and 17 are allowed.

3. The following is an examiner's statement of reasons for allowance:

While Ludwig (Patent No. 5,758,079) discloses a multimedia collaboration system that integrates separate real-time and asynchronous networks in a manner that is interoperable across different computer and network operating platforms that closely approximates the experience of

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face-to-face collaboration. The system permits a snapshot to be distributed to session participants for annotation and send back to the originating collaborative multimedia workstation (CMW) for editing. Ludwig does not allow computer users in a collaborative session to exchange and actively use application data in real-time.

And Mellen-Garnett (Cited by applicant Patent No. 6,094,688) teaches a modular application collaboration for providing inter-operability between applications including a plurality of connectors for communicating with a like plurality of applications and interchange server. The system include a filter mechanism for filtering events received from an application to match requests received from a collaboration. Mellen-Garnett, however, does not communicate application data in real-time.

Neither of these references taken either alone or in combination discloses a method and device for managing the simultaneous real-time operation of a plurality of software applications among a plurality of users having all the claimed features of applicant's instant invention, specifically including: a global operating system resident in each client computer system comprising a computer readable medium having computer executable instructions, said global operating system having a user interface and a plurality of application wrappers, said plurality of application wrappers providing an interface between said global operating system and each of said plurality of software applications, said application wrappers further providing computer executable instructions that intercept and interpret keystrokes from a user prior to their interpretation by said plurality of software applications. Also, there is no motivation to combine the Ludwig reference with the Mellen-Garnett reference to meet these limitations. It is for these reasons that applicant's invention defines over the prior art of record.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner *Thomas Pham*; whose telephone number is (571) 272-3689, Monday to Thursday from 6:30 AM - 5:00 PM EST or contact Supervisor *Mr. Anthony Knight* at (571) 272-3687.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thomas Pham
Patent Examiner



April 20, 2005



Anthony Knight
Supervisory Patent Examiner
Group 3600